

WHAT IS CLAIMED IS:

- 1 1. A voice integration platform that provides for integration with a data  
2 system that includes stored data, the voice integration platform comprising:
- 3 one or more generic software components, the generic software components  
4 being configured to enable development of a specific voice user interface, the  
5 specific voice user interface being designed to interact with the data system to  
6 present the stored data to a user.
- 1 2. A voice integration platform that provides for integration with a data  
2 system that includes stored data, the voice integration platform comprising:
- 3 one or more generic software components, the generic software components  
4 being configured to enable development of a specific voice user interface, the  
5 specific voice user interface being designed to interact with the data system to  
6 present the stored data to a user;
- 7 wherein the generic software components include a generic voice gateway;  
8 and
- 9 wherein the generic software components include a generic personalized  
10 dialogs software component.
- 1 3. The platform recited in Claim 1, wherein the generic software components  
2 include a component that is configured to facilitate integration with a Web  
3 application server.
- 1 4. The platform recited in Claim 1, wherein the generic software components  
2 include a component that is configured to facilitate integration with a database  
3 stored in a memory.
- 1 5. The platform recited in Claim 1, wherein the generic software components  
2 include a component that is configured to facilitate integration with an automated  
3 banking system.
- 1 6. The platform recited in Claim 1, wherein the generic software components  
2 include a component that is configured to facilitate integration with a customer call  
3 center.

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- 1 7. The platform recited in Claim 1, wherein the generic software components  
2 include a generic voice gateway.
- 1 8. The platform recited in Claim 1, wherein the generic software components  
2 include a generic tools component.
- 1 9. The platform recited in Claim 1, wherein the generic software components  
2 include a generic infrastructure software component.
- 1 10. The platform recited in Claim 9, wherein the generic infrastructure software  
2 component includes a generic domain controller component.
- 1 11. The platform recited in Claim 1, wherein the generic software components  
2 include a generic personalization software component.
- 1 12. The platform recited in Claim 1, wherein the generic software components  
2 include a generic applications software component.
- 1 13. The platform recited in Claim 12, wherein the generic applications software  
2 component further comprises a generic email component.
- 1 14. The platform recited in Claim 12, wherein the generic applications software  
2 component further comprises a generic notification component.
- 1 15. The platform recited in Claim 1, wherein the generic applications software  
2 components include a generic personalized dialogs software component.
- 1 16. The platform recited in Claim 15, wherein the generic personalized dialogs  
2 software component further comprises a generic error-trapping software  
3 component.
- 1 17. The platform recited in Claim 15, wherein the generic personalized dialogs  
2 software component further comprises a generic list browse software component.
- 1 18. The platform recited in Claim 15, wherein the generic personalized dialogs  
2 software component further comprises a generic scheduling software component.
- 1 19. The platform recited in Claim 1, wherein the generic software components  
2 include a generic content management software component.
- 1 20. The platform recited in Claim 1, wherein the generic software components  
2 include a generic integration software component.
- 1 21. A method for enabling the development of a voice user interface that is  
2 designed to interact with a data system that includes stored data, comprising:
  - 3 providing one or more generic software components, the generic software
  - 4 components being configured to enable development of a specific voice user

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5 interface, the specific voice user interface being designed to interact with the data  
6 system to present the stored data to a user.

1 22. A method for enabling the development of a voice user interface that is  
2 designed to interact with a data system that includes stored data, comprising:

3 providing one or more generic software components, the generic software  
4 components being configured to enable development of a specific voice user  
5 interface, the specific voice user interface being designed to interact with the data  
6 system to present the stored data to a user;

7 wherein providing one or more generic software components further  
8 comprises providing a generic voice gateway; and

9 wherein providing one or more generic software components further  
10 comprises providing a generic personalized dialogs software component.

1 23. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a component that is configured  
3 to facilitate integration with a Web application server.

1 24. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a component that is configured  
3 to facilitate integration with a database stored in a memory.

1 25. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a component that is configured  
3 to facilitate integration with an automated banking system.

1 26. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a component that is configured  
3 to facilitate integration with a customer call center.

1 27. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a generic voice gateway.

1 28. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a generic tools component.

1 29. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a generic infrastructure software  
3 component.

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- 1 30. The method recited in Claim 29, wherein providing a generic infrastructure  
2 software component further comprises providing a generic domain controller  
3 component.
- 1 31. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a generic personalization  
3 software component.
- 1 32. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a generic applications software  
3 component.
- 1 33. The method recited in Claim 32, wherein providing a generic applications  
2 software component further comprises providing a generic email component.
- 1 34. The method recited in Claim 32, wherein providing a generic applications  
2 software component further comprises providing a generic notification component.
- 1 35. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a generic personalized dialogs  
3 software component.
- 1 36. The method recited in Claim 35, wherein providing one or more generic  
2 software components further comprises providing a generic error-trapping software  
3 component.
- 1 37. The method recited in Claim 35, wherein providing a generic personalized  
2 dialogs software component further comprises providing a generic list browse  
3 software component.
- 1 38. The method recited in Claim 35, wherein providing a generic personalized  
2 dialogs software component further comprises providing a generic scheduling  
3 software component.
- 1 39. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a generic content management  
3 software component.
- 1 40. The method recited in Claim 21, wherein providing one or more generic  
2 software components further comprises providing a generic integration software  
3 component.
- 1 41. A voice integration platform that provides for integration with a data  
2 system that includes stored data, the voice integration platform comprising:

3 means for developing a specific voice user interface, the specific voice user  
4 interface being designed to interact with the data system to present the stored data  
5 to a user.

1 42. A voice integration platform that provides for integration with a data  
2 system that includes stored data, the voice integration platform comprising:

3 means for developing a specific voice user interface, the specific voice user  
4 interface being designed to interact with the data system to present the stored data  
5 to a user;

6 wherein the means for developing a voice user interface further comprises  
7 means for allowing the user of a local device to interact with the data system via  
8 voice communication; and

9 wherein the means for developing a voice user interface further comprises  
10 means for incorporating natural language concepts in order to present a human-like  
11 and conversational tone to the user.

1 43. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for facilitating  
3 integration with a Web application server.

1 44. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for facilitating  
3 integration with a database stored in a memory.

1 45. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for facilitating  
3 integration with an automated banking system.

1 46. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for facilitating  
3 integration with a customer call center.

1 47. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for allowing the  
3 user of a local device to interact with the data system via voice communication.

1 48. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for monitoring  
3 software code.

- 1 49. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for testing  
3 software code.
- 1 50. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for debugging  
3 software code.
- 1 51. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for providing  
3 infrastructure functionality.
- 1 52. The voice integration platform recited in Claim 51, wherein the means for  
2 providing infrastructure functionality further comprises means for managing the  
3 organization and storage of information into logically distinct storage categories.
- 1 53. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for facilitating  
3 interaction with personalization data in the data system.
- 1 54. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for sending  
3 email messages in voice format.
- 1 55. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for retrieving  
3 email messages in voice format.
- 1 56. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for providing  
3 information to a local device when a user opts to transfer from an automated voice  
4 application to live support.
- 1 57. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for  
3 incorporating natural language concepts in order to present a human-like and  
4 conversational tone to the user.
- 1 58. The voice integration platform recited in Claim 57, wherein the means for  
2 incorporating natural language concepts further comprises means for providing that  
3 prompts are not repeated when an error occurs with user voice input.
- 1 59. The voice integration platform recited in Claim 57, wherein the means for  
2 incorporating natural language concepts further comprises means for presenting a  
3 list of items to the user such that the presentation emulates human verbal discourse.

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1 60. The voice integration platform recited in Claim 57, wherein the means for  
2 incorporating natural language concepts further comprises means for providing  
3 scenario-driven personalization.

1 61. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for facilitating  
3 interaction of the specific voice user interface with content management software  
4 on the data system.

1 62. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for enhanced  
3 management of audio content.

1 63. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for generating  
3 meta tag data for information received from an audio feed.

1 64. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for providing  
3 templates for the creation of dialogs.

1 65. The voice integration platform recited in Claim 41, wherein the means for  
2 developing a specific voice user interface further comprises means for allowing the  
3 specific voice user interface 27 and the data system 6 to exchange and share data.

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